



OFFICE OF THE GOVERNOR
NEVADA STATE OFFICE OF ENERGY

Revision No. 43

NSOE MILESTONE MINDER

American Reinvestment & Recovery Act (ARRA) and Other Programs Updated 10/21/10

The Nevada State Office of Energy ("NSOE") is the recipient agency for the U.S. Department of Energy ("DOE"), Office of Energy Efficiency and Renewable Energy grants for the State Energy Program ("SEP") Formula Grant, the SEP ARRA, the Energy Efficiency and Conservation Block Grant, State Energy Efficient Appliance Rebate Program and Energy Assurance Planning in the State of Nevada. The office has received four awards under the provisions of the ARRA. Following is an overview of each program along with timelines, milestones accomplished, and jobs created/retained. Additional sections on a multi-agency renewable energy RFP and funding opportunities follow.

The NSOE reported to the DOE that 242 new positions are anticipated to be created and 175 existing positions (that could have been eliminated) are anticipated to be retained as a result of these programs.*

Jobs Expected to be Created 242	Jobs Expected to be Retained 175	Total Jobs 417
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I. STATE ENERGY PROGRAM (SEP ARRA)

The State Energy Program is a formula grant program which funds energy offices in states and territories. The base program is supplemented through the addition of an ARRA component to foster energy efficient projects in several sectors. The total SEP ARRA award to Nevada is \$34,714,000.

The DOE conducted a monitoring visit on the NSOE's progress on the SEP ARRA programs September 20-24. DOE officials were able to complete their visit one day early, stating that they were very pleased with Nevada's progress and impressed with NSOE policies and procedures for allocating funds to recipients. As a result, DOE stated that they have no recommendations for any corrective actions. The NSOE has drawn down 38% of its funding, which is nearly double DOE's goal for every state to draw down at least 20% of their funds before the end of September. DOE concluded by saying that "Nevada is picking up the slack for other states by drawing down more funds percentage wise than many other states."










In addition, the DOE sent a letter to the NSOE in May that stated "Nevada is in a small group of states that have 100% of their award through the NEPA process and 75% or more of those funds already obligated. At this rate, Nevada is on track to exceed the program's June obligation goals and to do so well in advance of the deadline. These accomplishments are a testament to NSOE's strong planning and management. DOE applauds the NSOE for their success and commends their hard work."

A. State Buildings (Principal Investigator - Tara Vogel)

Overview

\$7,945,000 (including administrative costs) was budgeted as a part of the grant award to be used to provide energy efficiency and renewable energy upgrades to existing state-owned buildings. Projects include lighting replacement to more efficient T-8 fluorescent lights and LED lights; lighting control systems; energy saving window treatments; HVAC system upgrades to more efficient systems; photovoltaic installations (four locations); and similar projects that are designed to save the State significant energy costs. All projects will strive to meet ARRA SEP goals of annual energy savings of at least 10 MBtu for each \$1,000 of total investment. The NSOE also has an agreement to conduct EnergyStar Portfolio on the buildings using ARRA federal grant money and to report specific criteria to the DOE.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. Cabinet members, NSHE representatives, the Legislative Counsel Bureau and the Office of Veterans who occupy and/or operate state-owned buildings will receive a request from the NSOE to identify their most inefficient buildings.	February 2010	
2. The NSOE will evaluate the proposals in consultation with the state's utilities, State Buildings and Grounds, State Purchasing and the State Public Works Board to determine and prioritize a list of buildings and projects to include in the program.	February 2010	
3. Following the evaluation, the NSOE will hold meetings with the applicants to discuss the priorities and to engage the public and provide them with an opportunity to comment.	February 2010	
4. Building owners will be notified of the final decisions.	February 2010	
5. NEPA forms (EF-1) will be submitted to the DOE for approval for each required project prior to expenditure of funds.	February 2010	
6. Competitive bids, interagency transfers and other purchasing mechanisms will be issued to initiate the projects.	May 2010	
7. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website.	May 2010	
8. Project will be initiated.	May 2010	
9. Project managers will begin quarterly project reports. Building managers will be required to use EPA ENERGYSTAR Portfolio Manager to track their energy use before and after the installation of any lighting, window performance or renewable energy system.	October 2010	
10. The NSOE will conduct mid-project physical reviews.	Mid-Project	
11. Upon completion of the project, NSOE will verify all metrics, milestones and energy savings.	January 2012	

Milestones

More than 120 projects are on schedule and in the engineering/construction process. The Henderson DMV solar and LCB Parking Garage lighting retrofit projects are complete. The Library & Archives and Grant Sawyer Building may be increased from a 30 kW solar PV systems to 50 kW. Review the current status of all the projects at:

<http://www.spwb.state.nv.us/EnergyOfficeCoordination/nbsr.pdf>.

Oct. 7, 2010: Six of eight mechanical projects are nearing 100% design completion. Solar projects are advancing through design. Lights for the Carson City and Las Vegas buildings have been ordered and the lighting design for the Reno and Stead buildings is 90% complete. The Energy Star Portfolio Manager contract is scheduled to go to the BOE in November.

Estimated Job Metrics










Jobs Expected to be Created 50	Jobs Expected to be Retained 25	Total Jobs 75
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B. Energy Efficient Schools (Principal Investigator – Tara Vogel)

Overview

\$10,522,500 (including administrative costs) was budgeted to provide \$441,176 to each of Nevada's 17 school districts to assist with energy efficient lighting, HVAC system energy efficiency upgrades, energy saving window treatments, lighting control systems and renewable energy installations. Larger per capita counties (Washoe and Clark) received an additional \$1 million each in funds. Projects will strive to meet ARRA SEP goals of annual energy savings of at least 10 MBtu for each \$1,000 of total investment. The program will communicate leadership and best practices through a public education campaign and create a partnership between the NSOE, the Nevada's K-12 schools, and utilities to implement energy efficiency and renewable energy projects.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. School districts will receive a request from the NSOE to identify their most inefficient buildings.	April 2010	
2. The NSOE will evaluate the proposals, in conjunction with the state's utilities and the Nevada Department of Education, to determine and prioritize a list of buildings and projects to be retrofitted.	April 2010	
3. The NSOE will hold meetings with the applicants to discuss the priorities and to engage the public and provide them with an opportunity to comment.	April 2010	
4. Districts will be notified of the final decisions.	April 2010	
5. NEPA forms (EF-1) will be submitted to DOE for approval for each required project prior to expenditure of funds.	April 2010	
6. Competitive bids and other purchasing mechanisms will be issued to initiate the projects.	June 2010	
7. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website.	June 2010	
8. Projects will be initiated.	July 2010	
9. Project managers will begin quarterly project reports. Building managers will be required to use ENERGYSTAR Portfolio Manager to track their energy use before and after the installation of any lighting, window performance or renewable energy system.	November 2010	
10. The NSOE will conduct mid-project physical reviews.	Mid-Project	
11. Upon completion of the project, NSOE will verify all metrics, milestones and energy savings.	January 2012	

Milestones

Mineral County rejected their allocation due to staffing concerns. All other districts have awarded contractors and work is underway on the projects. A free Energy Star Portfolio benchmark tool on energy savings, reporting before and after installation of RE/EE projects, is being sponsored by NV Energy for those districts that fall within their service area. For project description and awardees, visit

<http://energy.state.nv.us/documents/recovery/EnergyEfficientSchoolsProjectDescriptionandAwardees.pdf>.

Sept. 20, 2010: The Clark County School District anticipates completing four schools by November 20 and the fifth by December 31. Elko County is finished with their lighting retrofit project, Lincoln County is beginning a PV install, and Esmeralda County has their PV system design completed. Lander County may install another 50-60kW system and Storey County may propose another 50kW system.

Oct. 7, 2010: Site visits with DOE representatives were conducted at various schools last week. DOE was happy with the progress. Contracts are in place with the exception of three districts that are working on energy performance contracts that take longer to execute.

Oct. 14, 2010: A site visit has been scheduled for Douglas County on October 25.

Estimated Job Metrics








Jobs Expected to be Created 50	Jobs Expected to be Retained 25	Total Jobs 75
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C. Energy Efficient Street Lighting & Traffic Signals (Principal Investigator – Pete Konesky)

Overview

\$1,702,500 (including administrative costs) has been budgeted to make street lighting and traffic signals more energy efficient throughout Nevada. This will allow regional transportation commissions and various Nevada communities to work in conjunction with each other to replace street lights with more energy efficient lighting and replace traffic signals with energy efficient LED lights. The lighting should not only boost energy savings, but also increase safety at intersections by increasing visibility.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. The NSOE, in coordination with the Department of Transportation and Department of Public Safety, will request information from regional transportation commissions on intersections with traffic signals and/or street lights that are energy inefficient and would reduce traffic accidents if better illuminated.	April 2010	
2. The NSOE will evaluate the lists in consultation with the Department of Public Safety and state's utilities to determine and prioritize a list of intersections and streets to be included in the program.	April 2010	
3. The NSOE will hold a public meeting, or meetings, with the Department of Transportation and regional transportation commissions.	April 2010	
4. The awardees will be notified of the final decisions.	June 2010	
5. Competitive bids, interagency transfers and other purchasing mechanisms will be issued to initiate the projects.	June 2010	
6. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website.	June 2010	
7. Projects will be initiated.	September 2010	
8. Project managers will begin quarterly reports.	October 2010	
9. Mid-project physical reviews will be held.	Mid-Project	
10. Complete projects, conduct final project verification which includes site monitoring visits (selected projects).	January 2012	

Milestones

Funding is \$32,000 for Carson City, \$301,240 for Clark County, \$411,600 for Henderson, \$394,800 for Las Vegas and \$358,600 for North Las Vegas. Washoe County was funded \$977,457 from the EECBG block grant that includes Reno and Sparks.

Sept. 15, 2010: Carson City had their lights delivered and will install them at an intersection soon.

Sept. 22, 2010: Las Vegas and North Las Vegas have teamed together to select the most energy efficient system for the lamp replacements.

Oct. 6, 2010: Las Vegas and North Las Vegas are evaluating bids and plan to start installations in January 2011. Carson City was given an additional \$6,000 to light an additional intersection. Washoe County RTC will be given \$10,600 for retrofitting three intersections that the Tahoe MPO returning funding for.

Estimated Job Metrics







Jobs Expected to be Created 9	Jobs Expected to be Retained 3	Total Jobs 12
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D. Alternative Fuel Infrastructure (Principal Investigator - Pete Konesky)

Overview

\$170,250 has been budgeted to replace a fuel tank at the Nevada State Motor Pool in Las Vegas with a dual capacity tank that allows Ethanol blend fuel (E85) to be stored and dispensed into flexible fuel vehicles (currently in the state inventory). This will allow additional flexible fueled vehicles to be ordered as a future strategy aimed at reducing the use of petroleum fuels in Nevada.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. The NSOE will request information from the State Motor Pool on the necessary actions to replace the existing gasoline tank with the divided fuel tank.	April 2010	
2. Interagency agreements and other purchasing mechanisms will be issued to initiate the project.	April 2010	
3. NEPA forms (EF-1) will be submitted to DOE for approval for each required project prior to expenditure of funds.	June 2010	
4. Project will be initiated.	July 2010	
5. Project managers will begin project quarterly reports.	November 2010	
6. Mid-project physical reviews will be held.	Mid-Project	
7. Projects will be completed and project metrics will be verified by the NSOE.	January 2012	

Milestones

The tank was installed on September 28, but the contractor hasn't completed the electrical hookup. Completion is anticipated by October 15. The final inspection of the facility is scheduled for October 19.

Estimated Job Metrics


Jobs Expected to be Created 1	Jobs Expected to be Retained 1	Total Jobs 2
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E. Revolving Loan Program (Principal Investigator - Robert Nellis)

Overview

\$9,348,100 (including administrative costs) has been budgeted to provide short-term, low-cost loans to developers of renewable energy projects in Nevada. These loans will serve as a bridge financing option to provide necessary funding for various startup costs associated with these projects. Once projects reach a mature level and when the total financing is in place, the loans will be repaid. Projects that fall under the categorically exempt size requirements for NEPA will be given a higher priority in order to avoid the potential for lengthy delays due to environmental reviews. An RFP evaluation committee will independently score and rank the applications.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. The NSOE will, in consultation with the Nevada Energy Commissioner, develop the revolving loan criteria.	February 2010	

2. The NSOE will, in consultation with the Nevada Energy Commissioner, develop a request (or requests) for proposal for renewable energy projects that meet the loan program criteria.	February 2010	
3. NEPA forms (EF-1) will be submitted to DOE for approval for each project prior to expenditure of funds.	April 2010	
4. The NSOE will evaluate proposals, in consultation with the Nevada Energy Commissioner, a third-party professional qualified to conduct project due diligence and/or the USDA.	June 2010	
5. RFP awardees will be notified of the final decisions.	June 2010	
6. Loans will be granted.	July 2010	
7. The NSOE will inform the public by posting project description and awardees on the NSOE's ARRA website.	July 2010	
8. Projects will be initiated.	August 2010	
9. Project managers will begin project quarterly reports.	November 2010	
10. Mid-project physical reviews will be conducted.	Mid-Project	
11. Projects will be completed and metrics will be verified.	January 2012	

Milestones

Projects in the first phase have been approved. Six projects have been funded and four more are in process. Although 100 percent of the funds have been committed, interested parties are encouraged to apply for the second phase.

Sept. 24, 2010: Four more applications have been received requesting more than \$12 million in funding. The NSOE plans to rank these applications for submittal to the next IFC meeting.

October 7, 2010: The NSOE will review and rank five new applications this week and submit them by the October 15 deadline for the December 15 IFC meeting. Loan agreements with four previously approved applications are in negotiations and expected to be funded within the next two months.

October 15, 2010: The NSOE ranked and submitted five more projects to the IFC for funding approval. To date, 20 applications have been received and ranked. Six projects have been funded and three have dropped out of funding eligibility. The NSOE plans to fund seven more projects before the end of the year.

Estimated Job Metrics

Jobs Expected to be Created 58	Jobs Expected to be Retained 29	Total Jobs 87
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Estimated Job Metrics by Loans Granted to Date



Applicant & Project Type	Total Estimated Jobs	Total Actual Jobs
Young Brothers Ranch: Hydro Project	3.13	Quarterly Review in November
Madole: Residential Wind Turbine	.193	Quarterly Review in November
ATB Enterprises: Residential Wind	.193	Quarterly Review in November
Knox: Residential Wind Turbine	.193	Quarterly Review in November
Truckee River Ranch: Hydro Project	3.13	Quarterly Review in December
Avatar Energy: Anaerobic Digester	15	Quarterly Review in December
Total as of 9/23/10	22	N/A

F. Engineering, Feasibility, Permitting, EIS and Project Implementation (Principal Investigator – Thomas Wilczek)

Overview

\$3,675,000 (including administrative costs) has been budgeted to provide funds to perform feasibility studies and accelerate energy projects that will provide energy savings or develop renewable energy sources in Nevada.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. The NSOE will investigate the feasibility of award mechanisms.	May 2010	
2. Grants will be awarded.	June 2010	
3. Projects will be initiated.	November 2010	
4. Project manager will begin quarterly reports.	November 2010	
5. Mid-project physical reviews will be conducted.	Mid-Project	
6. Projects will be completed and metrics verified.	January 2012	

Milestones

During a program review by the DOE, the NSOE was advised that all underlying projects funded under this market sector would be required to be completed within ARRA timeframes. Therefore, if an environmental assessment is funded by the NSOE on a potential transmission line project, the underlying project would need to be completed by the April 2012 termination date of the ARRA program. The NSOE has signed a contract with the nonprofit Nevada Energy Assistance Corporation ("NEAC") for an acting feasibility study clearinghouse, which was approved by the Board of Examiners. It is anticipated that NEAC will commence planning for the appropriate engineering studies soon.

October 5, 2010: The first installment of \$750,000 was transferred to NEAC for their efforts in awarding electrical transmission engineering and feasibility projects.

Estimated Job Metrics


Jobs Expected to be Created 36	Jobs Expected to be Retained 18	Total Jobs 54
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G. Energy Related Codes (Principal Investigator – Lorayn Walser)

Overview

\$1,350,650 has been budgeted to secure the adoption of 2009 International Building Codes in cities and counties within Nevada. The International Energy Conservation Code ("IECC") is a code adopted by many state and municipal governments in the United States for the establishment of minimum design and construction requirements for energy efficiency. The funds may also be used to promote and train personnel on the codes and assist in its implementation. This project requires development of a project-specific budget that outlines all proposed activities. This is a SEP formula grant requirement that the NSOE cannot give away.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. NSOE will sign an Inter-local Agreement with the REEEA.	March 2010	
2. REEEA will adopt any necessary regulations.	November 2010	
3. REEEA will develop workshops to assist jurisdictions on code training and implementation of the ARRA 90 percent compliance requirement within eight years.	January 2011	
4. REEEA will develop a reporting plan for compliance verification.	March 2011	

Milestones

REEEA has created a Survey of Initial Understanding and Assessment of Existing Energy Code Plan and/or International Energy Conservation Code (IECC). The survey was distributed to local governments and municipalities. REEEA is in the process of gathering the data and will share it with the Building Codes Assistance Project (BCAP) and the University of

Nevada, Reno to assist with the development of training workshops, meetings, and programs as necessary to achieve code implementation and compliance.

- Oct. 7, 2010: REEEA contacted local governments and municipalities in 22 Nevada cities and 17 counties, and created a service list. REEEA has also established two collaborative working stakeholder groups – one for climate zone three in Southern Nevada and one for climate zone five in Northern Nevada. Finally, REEEA submitted a proposal in response to Battelle, Pacific Northwest Division/PNNL's Request for Proposal No. 146626 Building Energy Codes - Adoption, Training and Compliance on behalf of Nevada. As a result, REEEA has created a steering committee of building code experts and trainers to compliment the current inter-local agreement with the University of Nevada, Reno.
- Oct. 14, 2010: REEEA issued a notice of request for comments and proposed regulations for drafting the regulations, which will be followed by a regulation workshop and three hearings as required by State law.

Estimated Job Metrics

Jobs Expected to be Created 2	Jobs Expected to be Retained 10	Total Jobs 12
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ARRA GRANTS (Not SEP)

A. Appliance Rebate (ARRA) (Principal Investigator – Tom Wilczek)

Overview

The NSOE has received \$2,495,000 to be used for a State Energy Efficient Appliance Rebate Program. This program will allow Nevada residents to receive rebates when they purchase energy efficient appliances after April 17, 2010. The rebates will be available to Nevada residents who replace a used appliance with an Energy Star qualified refrigerator (\$200), freezer (\$150), washing machine (\$150) or dishwasher (\$100) from a Nevada retailer.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. DOE will award grant to NSOE.	December 2009	
2. NSOE will begin negotiations with retailers and issue RFQ for rebate processing company.	December 2009	
3. NSOE will sign contracts with retailers and rebate processing company.	February 2010	
4. NSOE will coordinate with retailers and utilities for advertising, develop the program website and promote the program.	March 2010	
5. Program will commence.	April 17, 2010	
6. Rebate processing company will begin paying rebates.	June 2010	
7. Launch phase two of the program.	Sept 2010	
8. Rebate processing company will track program providing updates to NSOE and pay rebates until program funds are depleted.	March 2012	

Milestones

The first phase of the State Energy Efficient Appliance Rebate Program (SEEARP) was launched on April 17. The majority of retailers in Nevada participated, providing in-kind match advertising and offering additional sales and rebates to consumers. The electric utilities in the state provided in-kind match advertising with fliers going out in electric bills. The

program received statewide media coverage including television and radio stories, all contributing to Nevada's in-kind match requirements.

A total of 7,471 reservations were redeemed as of June 30: 1,999 washing machines; 2,279 dishwashers; 308 freezers; and 2,885 refrigerators for a total of \$1,151,050. There was approximately \$1,240,000 left, so the NSOE modified the program to offer a second round of rebates that began September 1. The new program is a buy/reserve program. Customers can go to www.nevadaappliancerebate.com to see how much money is left, purchase an appliance, and reserve their rebate. The program will remain open until all funds are spent.

Sept. 1, 2010: The second phase has been launched and media coverage has been excellent. The appliance rebate website is live accepting applications and lists the amount of funds remaining.
 Sept. 23, 2010: \$417,200 in funds remains. More than \$780,000 has been reserved since September 1.
 Oct. 7, 2010: Only \$57,100 in funds is left in the program.
 Oct. 10, 2010: All remaining program funds in the SEEARP program was reserved and the rebate processing company commenced maintaining a "waiting list" for individuals who may obtain rebate funds from those who drop out of the system.




NOTE: SEEARP is not required to track jobs created/retained.

B. Energy Assurance (ARRA) (Principal Investigator – Thomas Wilczek)

Overview

The NSOE was granted \$438,573 to update and implement the state's Energy Assurance Plan, which outlines the structure for monitoring and overseeing energy demand and supply. The plan provides the ability to intervene, when directed, to ensure a reliable supply of electricity, natural gas, motor vehicle fuel, propane and other heating products are available to the citizens of Nevada.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. Submit Project Management Plan to DOE.	September 2009	
2. Submit Workforce Development Plan to DOE.	October 2009	
3. Submit Energy Supply Disruption Tracking Plan to DOE.	August 2010	
4. Final edits and submission to DOE.	July 2011	
5. Review results and report to DOE.	February 2012	
6. Review results and report to DOE.	May 2012	

Milestones

A detailed work plan will include developing new energy use and disruption tracking systems, incorporating "smart grid" technology, including tracking systems as the technology matures and comes into use in Nevada, as well as outfitting a room capable of handling the staff and personnel required to respond to any energy contingency that may develop through the implementation of the Energy Assurance Plan. The energy contingency center is in the process of being configured with visual and connective technologies which will enhance the NSOE's effectiveness in response to energy contingencies. The NSOE completed preparation of a process for tracking the duration, response, restoration and recovery time of energy supply disruption events.

October, 2010: The DOE noticed the NSOE that the Energy Supply Disruption Tracking Plan had been approved.

Estimated Job Metrics

Jobs Expected to be Created 2	Jobs Expected to be Retained 3	Total Jobs 5
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III. Energy Efficiency & Conservation Block Grant (EECBG)

The NSOE was awarded this \$9,593,500 grant and that was accepted by the Interim Finance Committee. The NSOE immediately commenced work on the program which included sending letters to all included cities and counties, who subsequently submitted their projects for approval. The NSOE worked with the DOE to get the projects approved and to lift funding restrictions. Sub-grants were approved and the DOE has given final NEPA approval to move ahead with all projects. The NSOE confirmed that all funds have been deposited with the State of Nevada.

The DOE identified June 25 as the milestone for all states to have contractually obligated grant funds to sub-recipients, and September 30 as the deadline for at least 20% of those obligated funds to have been transferred to the sub-recipients. As of June 14, \$6,305,294 (65%) has been transferred to sub-recipients for immediate utilization, a metric which DOE has indicated places Nevada in the forefront in regards to the timely transfers of funds. As of September 7, 96 percent of the funds have been expended and 100 percent will be allocated soon.

The DOE conducted an EECBG Program monitoring visit on October 13, 2010. The program's progress was reviewed favorably by DOE.

The DOE sent a letter in July commending the NSOE on the hard work in ensuring that 90% or more of the EECBG funds were obligated by June 30. DOE thanked NSOE for contributing to this important program-wide milestone and for the NSOE's continued efforts, cooperation, and partnership. DOE stated that by achieving and exceeding both Recovery Act and EECBG targets, NSOE had effectively demonstrated successful progress in deploying Recovery Act funding and showcasing the value of the EECBG program at this critical time.

Estimated Job Metrics






Jobs Expected to be Created 34	Jobs Expected to be Retained 61	Total Jobs 95
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A. Cities and Counties (Principal Investigator – Thomas Wilczek)

Overview

\$3,724,316 was allotted to Nevada cities and \$2,104,161 to Nevada counties that were not directly funded by the DOE by using per capita numbers as the formula to determine the amount of funding to be allotted to each jurisdiction. These funds may be used for energy efficiency and energy conservation projects, as well as development of renewable energy systems. The ten largest counties and ten largest cities in Nevada by population were awarded funding directly by the DOE, independent from any NSOE grants, and report directly to the DOE and the Government Accounting Office.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. Establish budgets, criteria, identify counties.	October 2009	
2. Notify counties of eligibility, budgets, project parameters and program requirements.	January 2010	
3. Identify projects and establish budgets.	February 2010	
4. Complete sub-grant process, notify counties.	March 2010	
5. Initiate projects and outreach.	June 2010	
6. Hold mid-project reviews.	May 2011	
7. Complete projects.	January 2012	
8. Conduct verification.	January 2012	

Milestones

All projects have been approved by the DOE and all sub-grants have been sent to the cities and counties. The DOE transferred \$8,456,799 into the ASAP escrow account and the NSOE received DOE's written approval that NEPA restrictions had been lifted on all projects. The NSOE has allocated a portion of the funds originally designated for Lander County to Lincoln County (increasing their funding from \$375,000 to \$675,000), Mineral County (\$481,989 to \$507,989), and Storey County (\$510,000 to \$535,000).





Sept. 23, 2010: NSOE staff has completed their quarterly reviews of sub-grantee projects and is pleased to report that all sub-grantees are making significant progress on their projects. The City of Wells has completed their project and the NSOE is in the process of initiating file closeout.

B. Nevada Emergency Vehicle Idle Reduction (Principal Investigator – Tom Wilczek)

Overview

\$775,809 has been allocated for approximately 200 devices that will allow emergency personnel to shut off their engines and provide up to four hours of power for operation of computers, radios, light bars and other equipment in their vehicles. Requests for vehicle monitoring (3 years) and heating systems to be incorporated into the system will reduce the number of devices that will be ordered. The resulting system will be more operator-friendly and more apt to be used for longer periods of time, and the reporting system will have concrete data for energy savings and greenhouse gas reductions.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. Request information.	January 2010	
2. Notify departments/agencies of eligibility, budgets, project parameters and program requirements.	January 2010	
3. Identify projects and establish budgets. Contact DOE for project approval.	February 2010	
4. Initiate projects and outreach.	June 2010	
5. Hold mid-project reviews.	January 2011	
6. Complete projects.	January 2012	
7. Conduct verification.	January 2012	

Milestones

Sub-grants were issued to the Washoe County Sheriff, Henderson PD, Las Vegas Metro PD, North Las Vegas PD, and the NHP for \$178,200 each. The City of Henderson noticed the NSOE that it was willing to accept \$50,000 of the \$178,200 allotted to them for purchase of the units. The NSOE reallocated the remaining \$128,200 to NHP. All law enforcement grantees are now under contract and the funds have been obligated.

Sept. 20, 2010: NSOE staff conducted site visits to the Henderson and Las Vegas Metropolitan PDs. The NSOE is evaluating interest from several law enforcement entities for reallocation of the remaining funds.


Oct. 14, 2010: The NSOE anticipates the approval of the sub-grant award from the North Las Vegas City Council the first week of November.

C. Natural Gas & Electricity Monitoring for State Owned Buildings (Principal Investigator – Thomas Wilczek)

Overview

This \$221,720 program will provide for the acquisition of services for the monitoring of energy consumption within state buildings. The total subcontract amount will be \$203,908 and the subcontractor will monitor all state-owned buildings, establish baselines, report on results, review utility bills for errors and negotiate rebates on behalf of the NSOE. The State has an existing "good of the state" contract with LPB Energy Management Services.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. Initiate monitoring.	June 2010	
2. Hold mid-project reviews.	January 2012	
3. Complete projects.	January 2012	
4. Conduct verification.	January 2012	

Milestones






The BOE approved the project and \$203,908 was transferred via an inter-local agreement to B&G. B&G has initiated the data capture process with NV Energy and SWG and reported that savings to the State have already been realized. LPB reports that under some circumstances the previous utility rate schedule assessed by the utility was incorrect and errors were subsequently corrected.

D. Traffic Signals and Street Lighting (Principal Investigator – Thomas Wilczek)

Overview

This project will provide \$1,477,457 in funding to install street lighting and traffic signals in Nevada cities and counties.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. Establish budgets, criteria, identify cities and counties.	February 2010	
2. Notify appropriate entities of eligibility, budgets, project parameters & program requirements.	February 2010	
3. Identify projects and establish budgets.	February 2010	
4. Complete sub-grant process.	March 2010	
5. Initiate projects and outreach.	August 2010	
6. Hold mid-project reviews.	January 2011	
7. Complete projects and conduct verification.	January 2012	

Milestones

All projects have been approved: Fallon \$275,000, Ely \$100,000, Lyon County \$125,000 and Washoe County \$977,457. Funds for Lyon and Washoe Counties, Fallon and Ely have been transferred. All funds under this program have been transmitted to the sub-grantees. NSOE officials have commenced performing quarterly reviews of sub-recipient projects.

Sept. 23, 2010: NSOE has implemented a funds transfer of \$42,000 to Douglas County for implementing their portion.

All projects funded by all ARRA grants are considered to be federally funded and, with the exception of the Appliance Rebate program, are required to meet all federally required National Environmental Policy Act restrictions, Davis-Bacon Act provisions on wages, and Buy American provisions of the ARRA. Wherever appropriate, projects may also be required to comply with Historical Preservation provisions.

IV. SEP Formula Grant (Principal Investigator – Pete Konesky)

The SEP Formula Grant (the funding source that kept the NSOE open prior to the stimulus funding) for program year 2010 covering July 1, 2010, to June 30, 2011, was received on June 30 for \$192,000 plus a \$38,400 match. This is a grant and not a gift to the state as there are some mandatory activities required to receive the funding. The mandatory activities include: lighting efficiency standards for public buildings; promotion of carpools, vanpools & public

transportation; incorporation of energy efficiency criteria into procurement procedures; implementation of mandatory thermal efficiency standards for new & renovated buildings; permit right turns at red traffic signals and left turns from a one-way street onto a one-way street at a red light after stopping; ensure coordination among various local state and federal energy efficiency, renewable energy and alternative transportation fuel programs within the state, and to maintain a current energy emergency response plan. The following categories identify the optional activities selected by the office that support state mandated functions.

A. Renewable Energy, Conservation & Use (Principal Investigator – Tara Vogel)

This program will promote the use of renewable energy and energy conservation; review energy trends for five, 10 and 20 year periods; determine how and what type of energy will meet the needs of Nevada; work with other federal and state agencies to reduce energy costs; and use the energy segment of the state to improve the state's economy.

B. Buildings (Principal Investigator – Lorayn Walser)

The purpose of this program is to update the energy codes used in the state to the IECC 2009 version for use in city and county regulations by holding workshops and seminars for architects, builders, contractors, and city and county governments. The NSOE will continue to administer the LEED green building tax abatement programs along with supporting the renewable energy producer's tax abatement program.

Oct. 12, 2010: The NSOE supported the energy commissioner at a home energy audit workshop.

C. Transportation Fuel (Principal Investigator – Pete Konesky)

The purpose of this program is to decrease Nevada's dependence on imported fossil fuels in order to improve urban air quality and decrease risk to the state economy in the event of pipeline supply disruptions. Additional objectives include promoting increased availability and use of alternatives to gasoline and diesel, and to increase market demand of alternative transportation fuels that can be produced domestically or within the state.

Oct. 6, 2010: Energy policy act vehicle purchase compliance letters were sent to seven State fleets. Responses are due December 10. The NSOE has a conference call monthly with the California Energy Commission on fuel-related issues.

D. Administration (Principal Investigator – Pete Konesky)

This program allows for the preparation of a comprehensive status of energy report for the governor and state legislature, as well as the energy emergency plan. The NSOE will coordinate with other federal agencies on energy and environmental issues relating to energy uses reduction, energy conservation and renewable energy, and work with the USDA and EPA on energy and environmental issues.


October 5, 2010: The NSOE took part in an EPA workshop in Las Vegas where water treatment and wastewater was discussed.









V. Additional Stimulus Programs

A. Multi-Agency Statewide Renewable Energy RFP (Principal Investigator – Robert Nellis)

The NSOE has released a request for proposal to develop renewable energy systems on multiple state agency sites for the purpose of substantially offsetting the amount state agencies pay for electrical power. This RFP will solicit 100 percent private sector investor funding to design, build, own and operate the projects through a long-term power purchase agreement to all agencies participating. The NSOE hopes to receive final approval on the signed contracts by the end of 2010, so that construction may be well underway in 8-12 months.

Timeline

IMPLEMENTATION STEPS	TARGET DATE	COMPLETE
1. NSOE invites state agencies and the Nevada System of Higher Education to participate in an RFP.	May 2010	

2. Agencies approve of sites to be included in the RFP and submit each site's electrical usage data, rates being paid, and number of meters.	June 2010	
3. Agencies meet for a pre-RFP conference with Purchasing and NSOE to answer agency questions and provide comments on RFP.	June 2010	
4. Governor's Office issues press release on RFP. Potential pre-bidder conference hosted by Purchasing and NSOE for developers to provide comments on proposed RFP.	June 2010	
5. Pre-bidders conference hosted by State Purchasing and the NSOE for developers to provide comments on RFP.	June 2010	
6. RFP released.	August 2010	
7. Site tours conducted.	August 2010	
8. Deadline for submission and opening of RFP respondent's bids.	Sept. 2010	
9. Contractor selected by evaluation committee made up of participating state agencies. LOI award issued.	October 2010	
10. Final negotiations and signatures of the master services contract.	October 2010	
11. Contracts submitted to Budget Office for BOE approval and leases submitted for IFC approval.	November 2010	
12. BOE meeting for approval of the master services contract.	December 2010	

Milestones

The result of the RFP will be a good of the state contract with the selected contractor. This contract will allow individual agencies to negotiate agency specific contracts containing site specific terms required by the agencies with the exception of the price per kWh per site which will be proposed by the contractor in their response to the RFP. The intent of the RFP is to allow for other state agencies, colleges, schools, and other public entities to join onto the contract even if they do not have sites that were submitted as part of the RFP. Nevada State Purchasing released the RFP, which includes a total of 55 sites made up of 10 state agencies and the City of Las Vegas.

- Sept. 14, 2010: The NSOE and State Purchasing responded to 97 questions posed by vendors regarding the RFP. The deadline is September 23 for vendors to submit proposals to State Purchasing. An independent evaluation committee composed of 12 members from various state agencies, the Nevada System of Higher Education, and the City of Las Vegas will meet in October to select a vendor after independently ranking each of the proposals.
- Sept. 23, 2010: Eight vendors submitted proposals to State Purchasing by the 2pm deadline. The proposals are will be distributed to the 12-person evaluation committee for independent review and ranking.
- October 5, 2010: State Purchasing issued a Letter of Intent to award a Master Service Agreement to the highest scoring vendor. A contract needs to be successfully negotiated between the State and the selected vendor prior to November 10 in order to be placed on the December 14 BOE agenda for approval.

Estimated Job Metrics

Construction-related Jobs 235	Long-term Jobs 70	Total Jobs 305
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VI. Funding Opportunities

The NSOE continues to work with stakeholders throughout Nevada, as well as nationally, and with various government and philanthropy entities, to identify and pursue additional funding opportunities related to energy efficiency and renewable energy in Nevada.

A. SEP Strengthening Building Retrofit Markets (Principal Investigator – Tom Wilczek)

The NSOE is seeking funding from the Department of Energy, National Energy Technology Laboratory under DE-FOA-0000251; State Energy Program (SEP) Strengthening Building Retrofit Markets and Stimulating Energy Efficiency

Action. The purpose of the grant is to advance policies, programs and market strategies that accelerate job creation and reduce energy bills while achieving energy and climate security for the nation.

The NSOE has prepared two applications for this funding opportunity. The first application is a multi-state application in conjunction with the National Association of State Energy Officials (“NASEO”) requesting funding to develop infrastructure in support of a performance-based contracting model aimed at building retrofits for various state-owned and public buildings. The second is an in-state application requesting funding to develop a cradle-to-grave method of whole building retrofits in specific urban residential markets. This model will include performance benchmarking, Home Performance with Energy Star (“HPwES”), financing mechanisms and a supporting training program with a goal of retrofitting at least two percent of the target market beginning in 2013.

The NSOE submitted the multi-state application on June 3 and the HPwES application on June 5. The DOE anticipates making awards in September. The NSOE will provide information on the grant applications and provide updated details as the award deadline approaches.

- Sept. 3, 2010: The DOE NETL verbally notified the NSOE that the Nevada Retrofit Initiative had been selected for funding. The NSOE is currently in budget talks with NETL to finalize the award.
- Sept 23, 2010: NSOE staff conducted a telecom with all other team members to provide a brief status of the grant award process and to establish a date and time for conducting a formal project kickoff meeting.
- Oct. 7, 2010: The NSOE will have a conference call with the DOE October 15 for guidance on the grant and then have a more detailed stakeholder conference call soon after.
- Oct. 15, 2010: DOE and NSOE participated in the grant kickoff meeting whereby the grant requirements were identified and discussed in greater detail.

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* The NSOE acknowledges that the number of jobs anticipated to be created prior to the start of a project and what is actually created will differ because the formulas used to derive the data are different. For instance, the number of jobs anticipated to be created and/or retained under the EECBG grant is a metric solely derived from the mandated U.S. DOE formula which uses the amount of funding allocated to a specific activity. However, this formula is used solely as a predictive tool and does not provide a guarantee of the actual number jobs that will be created or retained. Conversely, the U.S. DOE requires the number of jobs created and/or retained after the activity commences to be a function of the number of hours worked on the specific activity as reported to the NSOE by the sub-grantees. The NSOE will be reporting the number of jobs created and/or retained as the field activity period for the projects continue.